

Soudafoam 2K FR B2

Revision date: 23/10/2015

Page 1 of 2

Technical Data:

Base	Polyurethane
Consistency	Stable foam, thixotropic
Curing system	Polymerisation through chemical reaction and moisture
Skin formation (FEICA TM 1014)	Ca. 7 minutes
Curing rate (FEICA TM 1005)	20 min.
Yield (FEICA TM1003)	1 l yields 20l cured foam
Shrinkage (FEICA TM 1004)	< 3%
Postexpansion (FEICA TM 1004)	< 3%
Cellular structure	Ca 70-80 % closed cells
Specific gravity	Ca. 30 kg/m ³ (extruded, fully cured)
Temperature resistance	-40°C to +100°C when cured
colour	Purple
Fire class (DIN 4102 part 2)	B2

Product:

Soudafoam 2K FR B2 is a two-component, self-expanding, ready-to-use polyurethane foam. Due to the high strength it is typically used for mounting of fire rated doors.

The foam is also used in fire rated penetration seals. Always consult the reports.

Characteristics:

- Professional quality
- Fast curing, not dependent on atmospheric moisture
- Fire rated properties
- Excellent adhesion on most materials (except Teflon, PE and PP)
- High thermal and acoustical isolation
- Excellent fixing capacities
- Very high adhesive strength
- High form stability (no shrinking or postexpansion)
- Can be trimmed after 20 minutes (20°C)

Application areas:

Installing of doorframes in fire rated applications.
Filling of cavities around cable trays and penetrations of non-combustible tubes
Filling of cavities

Application:

Can temperature should be between +10°C and +25°C. Surfaces have to be dust and grease free. Turn lower disk 5 times to the right; the B-component is now released. Shake the can at least 20 times with the valve pointed downwards. Apply foam applicator onto the valve. Extrude the foam with the valve pointed downwards. The extruded foam must be uniformly purple. If necessary, repeat shaking. Fill the joint for 50% as the foam will expand.

Empty the can in 5 minutes, after this period the foam will cure inside the can. Repeat shaking regularly during application. If you have to work in layers repeat moistening after each layer. Fresh foam can be removed using Soudal Foam cleaner or acetone. Cured foam can only be removed mechanically. Working temperature 5°C to 35°C. (20°C-25°C recommended).

Fireproof penetrations should be installed according to the description and drawings in the certificate.

Since it is a system, additional fireproofing products next to SOUDAFOAM FR 2K B2 will need to be used.

Remark: The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments.

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Revision date: 23/10/2015**Page 2 of 2****Health and safety recommendation:**

- Apply the usual industrial hygiene
- Wear gloves and safety goggles
- Remove cured foam by mechanical means only, never burn away
- Consult the label for more information.

Packaging:*Packaging:* aerosol cans 400 mL**Shelflife:**

- 12 months in unopened packaging in a cool and dry place at temperatures between +5°C and +25°C.
- Always store can with the valve pointed upwards

Remarks:

- Once the 2 components are mixed, empty the can completely within 5 minutes

- Always moisten surfaces in order to improve curing and cellular structure
- Cured PU-foam must be protected from UV-radiation by painting or applying a top layer of sealants (silicone, MS Polymer, PU and acrylic)
- SOUDAFOAM FR 2K B2 is not suitable for sealing single-walled chimney elements due to the limited temperature resistance

Reports:

- Efectis
13-A-061
- Warrington Gent
15697 C-D-E
- Theuma NV
ATG 2274
ATG 1713
ATG 2287
ATG 2288
- DECOENE Products NV
ATG 2430

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